

LIST OF CURRENT CLAIMS

1-2. (Canceled)

3. (Currently Amended) An oxygen enrichment apparatus comprising:
a main body having an oxygen enriching unit for generating oxygen-enriched air;
a suction unit for suctioning the oxygen-enriched air from the oxygen enriching unit;
a discharge unit for discharging the oxygen-enriched air from the suction unit; and
a control unit for controlling the operation of the suction unit,
wherein the oxygen enriching unit has at least one oxygen enriching membrane for generating the oxygen-enriched air and a condensed water treating unit is installed at an air passage for guiding the oxygen-enriched air from the oxygen enriching unit to the discharge unit via the suction unit,
wherein a fan is installed in the main body for supplying air around the oxygen enriching membrane, and the oxygen enriching membrane is of a substantially rectangular shape, a short side thereof being disposed substantially parallel to a direction of flow of the air supplied by the fan.

4. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein the air passage for guiding the oxygen-enriched air from the oxygen enriching unit to the discharge unit is partially comprised of a flexible connection tube and the oxygen-enriched air is guided via the flexible connection tube to the discharge unit to be discharged therefrom.

5-6. (Canceled)

7. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein the discharge unit is detachably installed to the oxygen enrichment apparatus.

8. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein a cover is detachably mounted on the discharge unit.

9. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein a sterile filtration filter and/or an HEPA (High Efficiency Particulate Air) filter is installed at the discharge unit.

10. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein the control unit has a timer means for controlling an operation time period during which the oxygen-enriched air is generated.

11. (Currently Amended) The apparatus of claim [[2 or]] 3, wherein the control unit controls a flow rate of the oxygen-enriched air to be about 1.5 liters per minute or greater and sets a timer means such that an operation time of the suction unit is about 1 hour or less.

12. (Original) The apparatus of claim 3, wherein the condensed water treating unit is implemented by allowing air other than the oxygen-enriched air to be introduced into the air passage of the oxygen-enriched air.

13. (Original) The apparatus of claim 12, wherein the air passage of the oxygen-enriched air is provided with an air inlet via an air passage conversion unit.

14. (Original) The apparatus of claim 3, wherein air other than the oxygen-enriched air is introduced into the air passage of the oxygen-enriched air, and the control unit controls the apparatus to perform an oxygen-enriched air generating operation for a time period to discharge the oxygen-enriched air from the discharge unit and then to execute a ventilating operation for a period of time to discharge the air other than the oxygen-enriched air from the discharge unit.

15. (Original) The apparatus of claim 3, wherein air other than the oxygen-enriched air is introduced into the air passage of the oxygen-enriched air; the control unit controls the apparatus to perform an oxygen-enriched air generating operation for a time period to discharge the oxygen-enriched air from the discharge unit; a stand-by stage during which the discharge unit stops operating is provided between the oxygen-

enriched air generating operation and the ventilating operation; and a ventilating operation is then performed for a period of time to discharge the air other than the oxygen-enriched air from the discharge unit.

16. (Original) The apparatus of claim 3, wherein air other than the oxygen-enriched air is introduced into the air passage of the oxygen-enriched air, and if an operation stop signal is provided to the control unit during the oxygen-enriched air generating operation, the control unit changes an operation of the apparatus from an oxygen-enriched air generating operation mode to a stand-by stage mode, a ventilating operation mode and a stop mode in that sequence.

17. (Original) The apparatus of claim 3, wherein air other than the oxygen-enriched air is introduced into the air passage of the oxygen-enriched air, and a heating unit is installed in an air passage for introducing the air other than the oxygen-enriched air.

18. (Original) The apparatus of claim 3, further comprising a humidity detecting unit for measuring ambient humidity and wherein air other than the oxygen-enriched air is introduced into the air passage of the oxygen-enriched air and the control unit controls the apparatus to perform an oxygen-enriched air generating operation for a time period to discharge the oxygen-enriched air from the discharge unit and then to execute a ventilating operation for a period of time to discharge the air other than the oxygen-enriched air from the discharge unit, and the control unit varies the period of time for the ventilating operation time according to information provided from the humidity detecting unit.

19. (Original) The apparatus of claim 3, further comprising a measuring unit for measuring a time during which the oxygen-enriched air generating operation is carried out and wherein air other than the oxygen-enriched air is introduced into the air passage of the oxygen-enriched air and the control unit controls the apparatus to perform an oxygen-enriched air generating operation for a time period to discharge the oxygen-enriched air from the discharge unit and then to execute a ventilating operation for a period of time to discharge the air other than the oxygen-enriched air

from the discharge unit, and the control unit varies the period of time for the ventilating operation according to information provided from the measuring unit.

20. (Original) The apparatus of claim 3, wherein the condensed water treating unit is a liquid collecting unit provided at the air passage of the oxygen-enriched air.

21. (Original) The apparatus of claim 3, wherein a part of the air passage is a communicating tube connected to the discharge unit and wherein a liquid collecting unit is separably installed at the communicating tube.

22. (Original) The apparatus of claim 3, wherein a part of the air passage is a communicating tube connected to the discharge unit; a liquid collecting unit is installed at the communicating tube; a body of the liquid collecting unit is divided into a plurality of parts; and water gathered in the liquid collecting unit is removed by separating the parts.

23. (Currently Amended) The apparatus of claim 3, wherein a part of the air passage is a communicating tube connected to the discharge unit; a liquid collecting unit is installed at the communicating tube; a body of the liquid collecting unit is divided into a plurality of parts; the liquid collecting unit has a tube protruded thereinto; and water gathered in the liquid collecting unit is removed by separating the parts.

24. (Original) The apparatus of claim 3, wherein a water absorbent material or a drying agent serving as the condensed water treating unit is provided at the air passage of the oxygen-enriched air.

25. (Currently Amended) The apparatus of ~~any one of claims~~ claim ~~[[1 to]]~~ 3, wherein the discharge unit is provided with a discharge port, an opening area of the discharge port being smaller than that of an air outlet port of the suction unit from which the oxygen-enriched air is outputted.

26. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein a water tub is installed at the air passage between the oxygen enriching unit and the discharge unit and the oxygen-enriched air is discharged from the discharge unit after passing through the water ~~tube~~ tub.

27. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein a water tub is installed at the air passage between the oxygen enriching unit and the discharge unit and the oxygen-enriched air is discharged from the discharge unit after passing through the water tube, and Zn or a Zn compound is provided in the water tub.

28. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein a silencer is installed in the air passage of the oxygen-enriched air.

29. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein an aroma supplying unit for adding aroma to the oxygen-enriched air is installed at the air passage of the oxygen-enriched air.

30. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, further comprising an anion generator, wherein anions generated by the anion generator are mixed with the oxygen-enriched air and discharged from the discharge unit.

31. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein anti-bacterial material and/or an anti-static material is provided in the air passage from the oxygen enriching unit to the discharge unit.

32. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein an AC power for driving the suction unit is supplied by converting a DC power thereinto.

33. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein a secondary battery is used as a power source for driving the suction unit and the control unit.

34. (Currently Amended) The apparatus of ~~any one of claims~~ claim [[1 to]] 3, wherein a secondary battery is used as a power source for driving the suction unit and the control unit, and a DC power source and the secondary battery are alternatively employed as the power source of the suction unit and the control unit.